



# VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

(An Autonomous Institution, Approved by AICTE - New Delhi, Affiliated to Anna University and Accredited by NAAC with A++ Grade and NBA (CSE,EEE,ECE,IT and Bio tech.)  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt.



Prof. Dr. M. KARUNANITHI  
Chairman & Secretary

Estd. 2001



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# Magazine 2025

DEPARTMENT  
OF EEE



## **VISION OF THE INSTITUTION**

To impart value based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

## **MISSION OF THE INSTITUTION**

- To provide holistic education through innovative teaching-learning practices
- To instill self confidence among rural students by supplementing with co-curricular and extra-curricular activities
- To inculcate the spirit of innovation through training, research and development
- To provide industrial exposure to meet the global challenges
- To create an environment for continual progress through life-long learning

## **VISION OF THE DEPARTMENT**

Electrical and Electronics Engineering Department is to be a center of excellence in technical education and research by producing world-class graduates to meet future challenges of the country.

## **MISSION OF THE DEPARTMENT**

- ✧ To impart quality education to our students and provide a comprehensive understanding of Electrical & Electronics Engineering and produce a new generation of knowledgeable, skilled, innovative engineers.
- ✧ To stabilize the students to understand the responsibility as an engineer who prove to be good citizens having concern for society, environment and ethical issues.
- ✧ To evolve the student community to adapt appropriate sustainable technologies through remarkable contribution for rural needs.

Art Work  
by Students



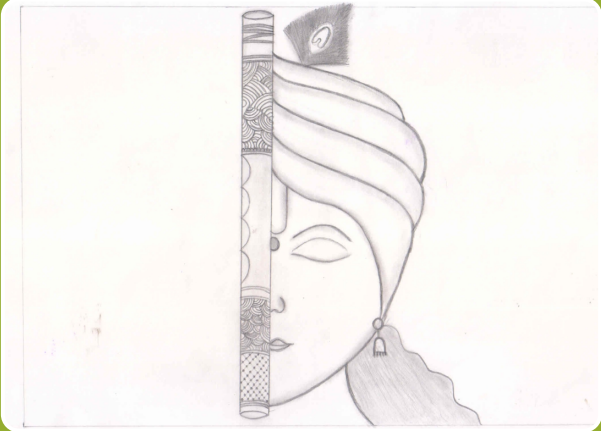
T. Deepalaksmi, II EEE



T. Deepalaksmi, II EEE



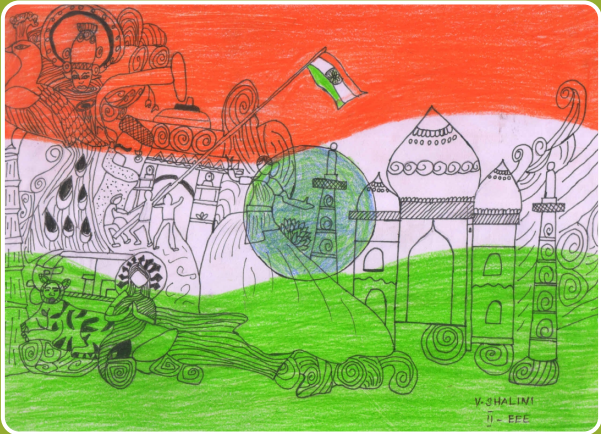
R. Vaishavi, II EEE



R. Vaishavi, II EEE



P. Akshaya, II EEE



V. Shalini, II EEE

## Short story

Aaradhya stared at the blinking cursor on her laptop screen. The title *"Embedded Systems: Real-World Applications"* mocked her. It was already 11:47 p.m., and the assignment was due at midnight. She rubbed her temples and glanced at her phone. Her friends had already submitted theirs and were now posting memes about "college stress" on the group chat. Aaradhya wasn't laughing. She had spent two nights researching, and somehow, every paragraph she wrote felt either too simple or too copied. Her roommate, Sneha, was already asleep, headphones in, dreaming peacefully. Aaradhya sighed. "Come on, brain," she whispered. "Just one good idea." That's when she remembered something her professor said in class: "Embedded systems aren't just in machines they're in moments that make machines meaningful." That clicked. She began typing fast, words flowing like a sudden storm. She wrote about her mother's pacemaker how it wasn't just a device, but a quiet guardian that pulsed life into their home. She connected it to how embedded systems make human life safer, smarter, and more personal. Midway, the power flickered. Aaradhya froze. Her laptop screen dimmed, battery at 4%. She dashed to her drawer, searching for the charger. "No, no, no!" she muttered. The plug was missing. Then she saw Sneha's charger lying tangled under her desk. Aaradhya grabbed it and plugged in her laptop just as the screen dimmed to black. The fan spun back to life. "You legend," she told herself, and resumed typing. At 11:58 p.m., she uploaded the document, heart thudding like a drumline. "Submission successful," the portal flashed. Aaradhya leaned back, exhausted and triumphant. The next day, Professor Mehta walked into class holding a stack of printed reports. "Good work, everyone," he said. "But one stood out simple, heartfelt, and technically sound." Aaradhya froze as he read aloud: "Some systems don't just process data they protect dreams." That's how Aaradhya ended her paper. The class clapped softly. Aaradhya smiled, cheeks warm. She didn't need coffee that morning. For the first time, she realized assignments weren't just about grades. Sometimes, they helped you discover your own story hidden between the lines of code.

S. Vidharshana, II EEE



# Photography



Adhithi M IIEEE



Preethi IV EEE



Ms. G. Madhumita  
AP / EEE



Sharnika A III EEE



Vaishnave III EEE

## Short Story by ASWINI C, IV EEE

Ananya and Meera were inseparable since their first day at college. They met during orientation when both got lost trying to find the auditorium. From that moment, their friendship blossomed built on shared laughter, late-night study sessions, and endless cups of chai at the campus canteen.

Ananya was calm and thoughtful, while Meera was full of energy and dreams. Together, they balanced each other perfectly. Whenever one felt low, the other lifted her up. During exams, Meera would panic, and Ananya's patient explanations always saved the day. One afternoon, as they sat under their favorite tree near the library, Meera looked at Ananya and said, "Promise me we'll always stay this close, no matter where life takes us." Ananya smiled, linking her little finger with Meera's. "Always." Years passed quickly.

The final day of college arrived, filled with hugs and tears. Meera had secured a job in another city, while Ananya planned to pursue higher studies. They hugged tightly, whispering promises to stay in touch. Months later, a letter arrived for Ananya. It was from Meera.

Inside was a small photo of the two of them laughing under that same tree, and a note that read: "No matter how far we go, this friendship will always find its way back." Ananya smiled, wiping a tear. Some friendships, she realized, never fade they simply grow across distances.

**R**esearchers have developed soft, stretchable 'jelly batteries' that could be used for wearable devices or soft robotics, or even implanted in the brain to deliver drugs or treat conditions such as epilepsy.



Unlike traditional electronics, which rely on rigid metal components and wires, these new materials are primarily water-based and can stretch to more than 15 times their original length without losing their ability to conduct electricity. The breakthrough, published in *Science Advances*, overcomes a fundamental challenge in materials science.

### **Future Prospects**

Research continues to improve jelly batteries by: Enhancing ion conductivity and mechanical durability. Using biomimetic designs inspired by electric eels and other organisms. Integrating nanomaterials for higher efficiency. Developing fully biodegradable power sources for sustainable electronics. With advancements in material science, jelly batteries hold the potential to revolutionize flexible energy storage and bridge the gap between biology and technology

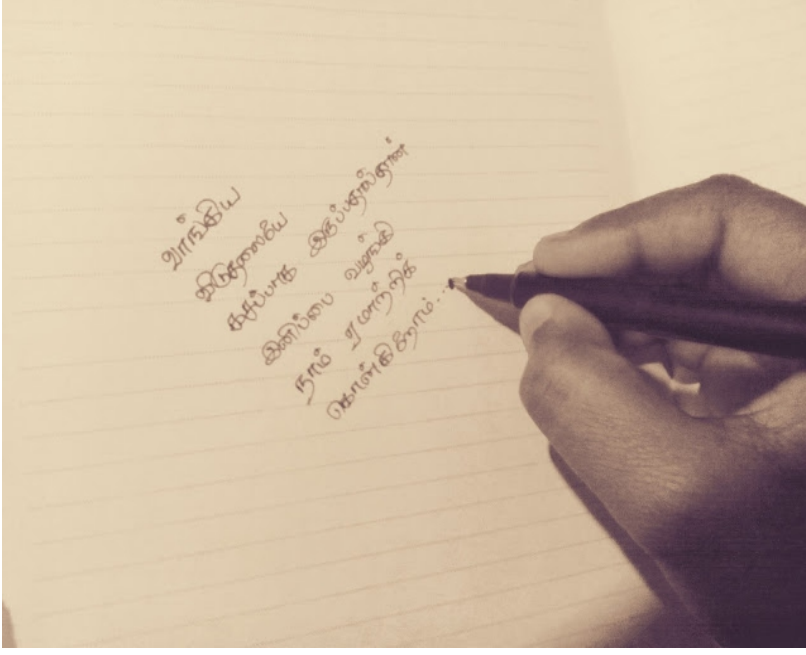
### **In a nutshell**

Cambridge scientists have created stretchy, self-healing "jelly batteries" that can extend to 15 times their length while maintaining electrical conductivity a combination never achieved before in a single material

The materials repair themselves within hours of damage and could revolutionize medical implants, as they match human tissue properties and are less likely to be rejected by the body

Inspired by electric eels, these hydrogels can generate power like a battery (about 1/10th of a AA battery's voltage) and maintain stable performance even when stretched 50% – five times better than previous versions

## TAMIL POEM & PHOTOGRAPHY BY HARSHAVARTHANI M, IV Yr.



- ✘ மின்சாரத்தின் புதுமை இது, மெல்லிய ஜெல்லி தோற்றத்தில்,
- ✘ உயிரின் உந்தல் போல ஓடும், மிந்தேக்க சக்தியில்.
- ✘ எலக்ட்ரிக் ஈலின் ரகசியம், இப்போது மனிதக்கையில்,
- ✘ இயற்கை போல் இயங்கும், பேட்டரி ஒரு ஜெல்லியில்.
- ✘ நச்சில்லா நன்மை தரும், நவீன தொழில்நுட்பம்,
- ✘ மழகவும் மடங்கவும் சாத்தியம், இது விந்தை உலகம்.
- ✘ மின் சக்தி இப்போது மென்மை பெற்றது, மழலை தொகுதலில்,
- ✘ பசுமை யுமி சிரிக்குது, இதன் நன்மை நாளைமீல்.
- ✘ உயிர் மையப் பொறியியல் சேர்ந்து, புதிய பாதை திறக்குது,
- ✘ ஜெல்லி பேட்டரி சொல்லுது நாளை பசுமையாக இருக்குது!

## POETRY BY HEMA R R, III EEE

- ✘ The Light Called Education Education is the sunrise that ends the night, A flame of truth, spreading endless light.
- ✘ It shapes the mind, it frees the soul, It teaches us dreams, it makes us whole.
- ✘ From humble books to thoughts so grand, It builds the heart, it guides the hand.
- ✘ Through every lesson, test, and tear, It whispers courage, year by year.
- ✘ It turns a spark into a blazing fire, Awakens the will to reach higher.
- ✘ No wealth can match its golden hue, No storm can steal what it makes true.
- ✘ It bridges hearts, breaks every chain, Brings wisdom's joy, not worldly gain.
- ✘ Education is life's sweetest art Not just the mind, but the beating heart.
- ✘ So let us learn, let knowledge reign, For in its light, the world will gain.
- ✘ Education is life's purest art
- ✘ It lights the mind and warms the heart.

## “The Silent Cry of Hunger”

In streets where shadows softly creep, The hungry child forgets to sleep.  
Eyes that dream of a loaf of bread, Heart that whispers what's left unsaid.  
The sun may rise, the world may spin, But empty bowls still lie within.  
No laughter rings, no joyful song, When hunger's pain has lingered long.  
The mother prays with trembling hands, Her tears fall warm upon the sands.  
She feeds her child with words of care, Though food and hope are both so rare.  
Poverty is not just lack of gold, It's stories silent, dreams untold.  
It steals the sparkle from young eyes, And fills the night with muffled cries.  
Yet somewhere, kindness lights a flame, A gentle heart rejects the shame.  
If every soul would lend and share, No one would starve the world would care.  
Let love be bread, let hope be rain, To heal the world of hunger's pain.

### பசியின் மௌனக் கூச்சல்

வீதியின் ஓரத்தில் மழலை நின்றது,  
வெறும் வயிற்றில் கனவு துயின்றது.  
ஒரு துண்டு அப்பம் கனவாகும்,  
அதைக் காண விழி துடிக்காது போகும்.

அன்னை கையில் காய்ந்த நம்பிக்கை,  
மகனின் முகத்தில் ஓர் மின்சார சிரிப்பு.  
சொற்களால் மட்டும் உணவு தர,  
கண்களால் மட்டும் அன்பு தர.

பசி என்பது தங்கம் இல்லாமை அல்ல,  
மனிதம் மறந்த மனம் தான் துயரம் தந்தது.  
பொன் போல சிரிப்பை பறித்தது,  
புதுமை கனவுகளை மறைத்தது.

ஆனால் எங்கோ ஒரு இதயம் இரக்கமாய்,  
ஒரு தீபம் ஏற்றும் நம்பிக்கையாய்.  
ஒவ்வொருவரும் பகிர்ந்தால் நன்மை வரும்,  
பசியற்ற பூமி நம் கனவு நனவாகும்.

- JESHIKAA HARINI K J  
III EEE

## SHORT STORY

In a small, peaceful town lived a cheerful girl named Ananya, who was known for her love of food. She loved spicy noodles, crispy fries, creamy cakes, and cold drinks. Every evening after school, she would rush to the bakery near her house with her friends. They laughed, chatted, and filled their plates with fast food and sweets.

Her mother often warned her gently, "Ananya, too much junk food is not good for your health. Eat something fresh, dear."

"But Ananya always smiled and said, "Amma, one more pastry won't hurt!" Weeks passed, and Ananya slowly started feeling tired.

She couldn't run as fast as before, and her concentration in class began to fade. She often had stomach pain and headaches.

One morning, she fainted during assembly, and her teacher took her to the doctor immediately. The doctor examined her and said softly, "You are not ill, Ananya. You are just weak because you have forgotten the importance of healthy food."

He explained how the body needs vitamins, proteins, and minerals things found in vegetables, fruits, milk, and grains to stay strong and active. That evening, Ananya looked at her plate filled with salad, rice, and vegetables.

For the first time, she thought deeply. "Maybe Amma was right," she whispered.

She began to eat home-cooked food, drink plenty of water, and even helped her mother in the kitchen. Slowly, her energy returned, her skin glowed, and she felt happier.

During her school's "Healthy Living Week," Ananya volunteered to give a small speech. Standing on stage, she said with a bright smile, "Health doesn't come from medicine alone it begins from what we eat every single day."

"Our body is like a machine; if we feed it junk, it breaks down. If we feed it goodness, it shines!" The whole auditorium clapped loudly. From that day, Ananya became an inspiration for her friends. She started a small "Healthy Lunch Club" where everyone brought nutritious homemade food to school.

Ananya had finally discovered the real secret recipe of life Eat well, live well, and stay happy.

## CLIMATE CHANGE

The earth once green now sighs in pain,  
Rivers dry and forests slain.

The melting ice, the rising seas, Nature cries in silent pleas.

The air grows thick, the skies turn grey, We steal tomorrow with greed today.

Yet hope still blooms where hearts unite, To heal the world, to make it right.

## NoiseFit Endeavour Pro



### NoiseFit Endeavour Pro Design and Display:

Premium and Rugged

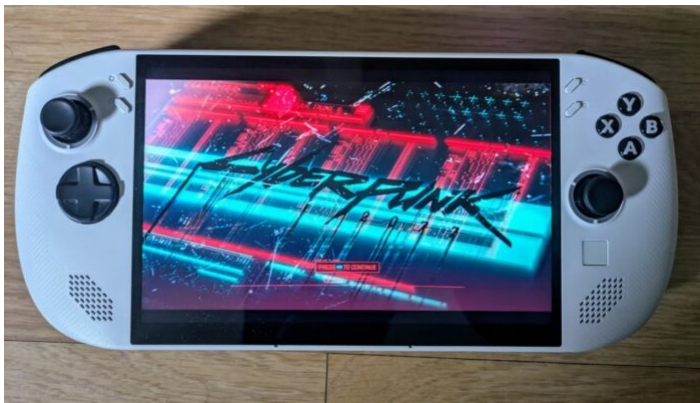
Case size and material - 22mm, Titanium Alloy

Ingress Protection - Up to 5ATM

Display - 1.5-inch AMOLED, 466 x 466 pixels

In terms of design, the NoiseFit Endeavour Pro perfectly captures the rugged and sturdy look. It gives off a classic, durable vibe similar to the Casio G-Shock, but without the heavy price tag. The smartwatch features a Titanium Alloy bezel, adding strength while keeping the watch surprisingly lightweight. The rest of the body is made from polycarbonate, which, despite being light, can easily withstand minor drops and impacts. Additionally, with a 5ATM water resistance rating, the watch can handle short periods of submersion in water, making it both tough and practical for everyday use.

## Lenovo Legion Go S



The Legion Go S' 1200p screen is a much better match, especially as this SteamOS version offers a choice of the Z1 Extreme or the cheaper Ryzen Z2 Go, the latter of which is powering my test unit. Despite "Bigger number = more gooder" convention, the Z2 Go uses an older Zen core architecture (as well as a lower 4/8 core/thread count and slower clock speeds), though it's ostensibly more power-efficient as well.

## Infinix Note 50 Pro+



The new handset comes with a proper triple camera that now includes a 3x telephoto with close focusing capabilities - there are 'flagships' that can't match that. Another new addition is the ultrawide - with autofocus too, also not guaranteed in many market segments. The main camera, meanwhile, is no longer 108MP, but the new 50MP sensor here is a tiny bit larger and, we suspect, generally better. So from a single real camera (and two pretend cameras) on the Note 40 Pro+ to three real cameras on the Note 50 Pro+ - quite the improvement.

# PHOTOGRAPHY



Murudeshwara Temple, Karnataka - Olirmathi, III EEE



DURGASHRI S , III EEE



LALITHA M , III EEE



Mettur Dam - Nandhini G , III EEE

# VIVEKANANDHA EDUCATIONAL INSTITUTIONS



"Vidhya Rathna"

**Prof. Dr. M. KARUNANITHI**, B.Pharm., M.S., Ph.D., D.Litt.,  
Chairman & Secretary

## TIRUCHENGODE CAMPUS

- ★ SWAMY VIVEKANANDHA MEDICAL COLLEGE HOSPITAL AND RESEARCH INSTITUTE
- ★ VIVEKANANDHA DENTAL COLLEGE FOR WOMEN
- ★ SWAMY VIVEKANANDHA COLLEGE OF PHARMACY
- ★ VIVEKANANDHA COLLEGE OF NURSING
- ★ VIVEKANANDHA SCHOOL OF ANM
- ★ SWAMY VIVEKANANDHA PHYSIOTHERAPY COLLEGE
- ★ VIVEKANANDHA ALLIED HEALTH SCIENCE COLLEGE (Co - Ed)
- ★ KRISHNA INSTITUTE OF OPTOMETRY AND RESEARCH
- ★ KRISHNA INSTITUTE OF HEALTH SCIENCE & RESEARCH (Boys)
- ★ KRISHNA INSTITUTE OF HEALTH SCIENCE (Boys)
- ★ VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)
- ★ VIVEKANANDHA COLLEGE OF TECHNOLOGY FOR WOMEN
- ★ VIVEKANANDHA INSTITUTE OF INFORMATION AND MANAGEMENT STUDIES
- ★ VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)
- ★ VIVEKANANDHA COLLEGE FOR WOMEN
- ★ VIVEKANANDHA COLLEGE OF EDUCATION FOR WOMEN
- ★ KRISHNA COLLEGE OF EDUCATION FOR WOMEN
- ★ VIVEKANANDHA VIDHYA BHAVAN MATRIC HIGHER SECONDARY SCHOOL
- ★ VIVEKANANDHA MEDICAL CARE HOSPITAL (VMCH)

## SANKAGIRI CAMPUS

- ★ SWAMY VIVEKANANDHA NATUROPATHY AND YOGA MEDICAL COLLEGE (Co-Ed)
- ★ VIVEKANANDHA NURSING COLLEGE FOR WOMEN
- ★ VIVEKANANDHA PHARMACY COLLEGE FOR WOMEN
- ★ VIVEKANANDHA ANM SCHOOL
- ★ VIVEKANANDHA INSTITUTE OF HEALTH SCIENCE (Boys)
- ★ RABINDHARANATH TAGORE COLLEGE OF EDUCATION FOR WOMEN
- ★ VISWABHARATHI COLLEGE OF EDUCATION FOR WOMEN
- ★ VIVEKANANDHA ARTS AND SCIENCE COLLEGE FOR WOMEN

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